

Product/Manufacturer Oriented Implications

Obsolescent—The Virginia Enterprise Architecture actively promotes that agencies employ a different technology. Agencies or Central Services Staff should not plan new deployments of this technology. Agencies and Central Services should develop a plan to replace this technology. This technology may be waning in use or no longer supported.

Transitional—The Virginia Enterprise Architecture promotes other standard technologies. Agencies or Central Services may use this technology as a transitional strategy in movement to a strategic technology. This technology may be waning in use or no longer supported.

Strategic—The Virginia Enterprise Architecture promotes use of this technology by Agencies and Central Services. New deployments of this technology are recommended.

Emerging—The Virginia Enterprise Architecture promotes only evaluative deployments of this technology. This technology may be in development or may require evaluation in government and university settings.

Company	Topic	Obsolescent	Transitional	Strategic	Emerging
Adobe	Personal Computing—Software			Acrobat Reader recommended (free)	
AMD	Personal Computing—Chipsets	Older chipsets	Older chipsets	AMD's current chipsets for laptop and desktop uses	Future chipsets; chipsets designed for 64 bit processing
AMD and other makers of bandwidth combination cards	Personal Computing—Wireless Connections			Multiprotocol cards that provide for 802.11a, b and g in the combination are recommended	
Apple	Personal Computing—OS				Current OS X operating system for desktops—not strategic due to choice of Microsoft. May be considered in future cost/benefit study.

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Apple and Other Chipset Makers	Personal Computing—Chipsets		Apple Macintosh Current		Apple computers and chipsets could be considered in future studies of desktop options
Blackberry	Personal Computing—PDAs			Blackberry's recommended as strategic	
Bluetooth and makers of Bluetooth devices such as wireless keyboards, PDAs	Personal Computing—Wireless Connections for Personal Area Networking				Bluetooth wireless protocol is not recommended for use for personal area connections at present due to high costs
Connectix	Low-end Servers		Connectix virtual server for transitional support of old versions of strategic operating systems		
Connectix	Midrange —Consolidation Platforms		Connectix virtual server for transitional support of old versions of strategic operating systems		
Corel	Personal Computing—Software				Wordperfect and the Corel Central Suite could be considered in future studies of costs/benefits for desktop options.
Dell and other manufacturers of servers that market hardware and software as server appliances				Web and storage appliances are listed as a strategic approach	

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Fujitsu	Midrange to High-end Servers—Consolidation Platforms			Hardware that is a substitute for the native hardware for a strategic OS that can run multiple applications well and without modification (e.g., Fujitsu is strategic if Fujitsu with Sun's Solaris OS runs applications built for the Sun platform as well as they run on Sun hardware)	
Fujitsu	Midrange to High-end Servers—for Applications			Hardware that is a substitute for the native hardware for a strategic OS that can run an application well and without modification (e.g., Fujitsu is strategic if Fujitsu with Sun's Solaris OS runs an application built for the Sun platform as well as it runs on Sun hardware)	
Hewlett Packard	Low-end Servers			HP-UX platforms may be used for applications	
Hewlett Packard	Midrange to High-end Servers—Consolidation Platforms	MPE platforms for consolidation; VMS platforms for consolidation		HP-UX platforms may be used for multiple applications	Linux on HP hardware; HP hardware with Intel chipsets and Windows OS
Hewlett Packard	Midrange to High-end Servers—for Applications	MPE platforms for single applications	VMS platforms for single applications	HP-UX platforms may be used for single applications	Linux; HP hardware with Intel chipsets and Windows OS

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IBM	Midrange to High-end Servers—Consolidation Platforms	MVS XA; IBM OS400; IBM AIX These are not to be considered for new consolidations	zVM for transitional consolidations	IBM's zOS platforms for consolidation; IBM Linux under zOS for non critical applications	IBM's Linux for more mission critical consolidations; IBM hardware with Intel chipsets and Windows OS for high end consolidations.
IBM	Midrange to High-end Servers—for Applications	MVS XA	IBM OS400 transitional for existing applications; IBM AIX transitional for existing applications; zVM for transitional strategies for existing applications.	IBM's zOS platforms for single applications (unlikely because zOS is currently used for consolidation); virtual Linux under zOS for less critical applications; IBM Linux under zOS for non critical single applications	IBM's Linux for more mission critical uses; IBM hardware with Intel chipsets and Windows OS
Intel	Personal Computing—Chipsets	Older chipsets	Older chipsets; Celeron	Intel's current chipsets for mobile, laptop battery saving, and regular desktop uses	Future chipsets that support new or different technologies; 64 bit processing
Linux providers (e.g., Red Hat, Sun, IBM, etc.)	Low end Servers and scale out consolidations			Linux is strategic for certain uses including Web servers and Web Cache server	Linux is emerging for uses that are mission critical
Linux providers (e.g., Red Hat, Sun, and other desktop Linux providers)	Personal Computing—OS				Linux could be considered in future studies of costs/benefits for desktop options.
Makers of infrared port technologies	Personal Computing—Wireless Connections for Personal Area Networking			Infrared is recommended over Bluetooth (radio) as a cost-effective method of wireless connectivity in personal areas	
Makers of Key storage devices	Personal Computing and Servers—data moving			Recommended as strategic for moving data between devices (e.g., work computer and conference computer)	

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Microsoft	High-end Servers—for Applications				Windows 2000 and 2003 Datacenter edition must have been proven in another similar implementation prior to use
Microsoft	Low-end Servers	NT 3.1 OS	NT 4.0; also, Connectix virtual server OS recently acquired by Microsoft	Windows 2000 and 2003;	
Microsoft	Midrange Servers—Consolidation Platforms	Earlier Windows OSs than NT 4.0	NT 4.0 OS; also, Connectix virtual server OS recently acquired by Microsoft	Especially in scale out configurations Windows 2000 and 2003	Windows 2000 and 2003 Datacenter edition should be proven in another similar implementation prior to use
Microsoft	Midrange Servers—for Applications	Earlier Windows OSs than NT 4.0	NT 4.0 OS; also, Connectix virtual server OS recently acquired by Microsoft	Windows 2000 and 2003	Windows 2000 and 2003 Datacenter edition must have been proven in another similar implementation prior to use
Microsoft	Personal Computing—Desktops and Laptops	Older Windows OSs; Home versions	Older Windows OSs	Current Operating System—Windows XP Pro	Windows OSs in Development
Microsoft	Personal Computing—Software	Older Microsoft software—e.g., Office 95	Older Microsoft software—e.g., Office '97	Microsoft Outlook (client), Internet Explorer and Office Suites since '97 are recommended	Microsoft Office software in development
Microsoft and all high-end hardware manufacturers that use Windows OSs	High-end Servers—Consolidation Platforms				Windows 2000 and 2003 Datacenter edition must have been proven in another similar implementation prior to use

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Microsoft and PDA makers that use the Microsoft PDA OS	Personal Computing—PDAs				Not listed as strategic because Blackberry device/services were evaluated more highly, but could be a future competitor
Monitor Manufacturers	Personal Computing--Peripherals			Even though new monitor technologies are strategic, a recommendation was made to not replace monitors with new desktops	
Netscape	Personal Computing—Software				Browser not recommended for current use but is not ruled out for future use; could be evaluated in future desktop cost/benefit studies.
Novell		Earlier Novell	Novell OS versions 4 through 6 are transitional because another product is strategic.		
Other manufacturers of midrange and high-end servers using non-strategic OSs	Midrange to High-end Servers—Consolidation Platforms	For consolidation use only, these platforms become non-contenders			No known future products noted
Other manufacturers of midrange and high-end servers using non-strategic OSs	Midrange to High-end Servers—for Applications		For current application use, these platforms become transitional		No known future products noted
Palm	Personal Computing—PDAs		Current and older versions of Palm Pilot are not recommended due to not being designed for enterprise management		Palm future versions may have enterprise designs
Sun	Low-end Servers			Sun's Solaris OS	Sun's Linux

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Sun	Midrange to High-end Servers—Consolidation Platforms			Sun's Solaris OS	Sun's Linux
Sun	Midrange to High-end Servers—Consolidation Platforms			Sun's Solaris OS	Sun's Linux
Sun	Midrange to High-end Servers—for Applications			Sun's Solaris OS	Sun's Linux
Sun	Personal Computing—Software				StarOffice Suite was not recommended for current use but could be considered for future use if Microsoft is too expensive
Sun, and other server blade manufacturers	Servers—scale out with blades			Blade frames with good management of resources are strategic	
Symbian and smart phone manufacturers that use the Symbian OS	Personal Computing—PDAs				Not listed as strategic because Blackberry device was evaluated more highly, but could be a future competitor
Teac America, Plector, and other makers of DVD writing devices and DVD ROM devices	Personal Computing—Peripherals			DVD ROM devices placed here	DVD writers placed here due to lack of standards
Unisys	Midrange to High-end Servers—Consolidation Platforms	Unisys OS 2200			Unisys hardware with Intel chipsets and Windows OS
Unisys	Midrange to High-end Servers—for Applications		Unisys OS 2200		Unisys hardware with Intel chipsets and Windows OS
VMware	Low-end Servers		VMware virtual server; VMware virtual server for transitional support of old versions of strategic operating systems		

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VITA SMS
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VMware	Midrange —Consolidation Platforms		VMware; VMware virtual server for transitional support of old versions of strategic operating systems		
VMware	Midrange —for Applications		VMware; VMware virtual server for transitional support of old versions of strategic operating systems		